

PATENT

Docket No. 5634.280

99 FEB -1 PM 1:05

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: John C. Harvey and James W.  
Cuddihy

Serial No.: 08/469,612

Filing Date: 6-Jun-95

For: Signal Processing Apparatus and  
Methods

Group Art Unit: 2602

Examiner:

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Disclosure  
Statement  
1-13-97  
H. Little

Assistant Commissioner of Patents  
Washington D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

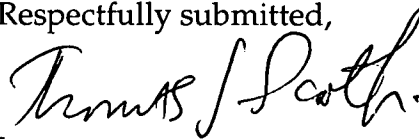
<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>
08/113,329	August 30, 1993	Pending
08/056,501	May 3, 1993	5,335,277
07/849,226	March 10, 1992	5,233,654
07/588,126	September 25, 1990	5,109,414
07/096,096	September 11, 1987	4,965,825
06/829,531	February 14, 1986	4,704,725
06/317,510	November 3, 1981	4,694,490

Applicants believe that all references cited on the attached 1449 form were submitted to the PTO in U.S. Patent Application Serial No. 08/397,582 filed March 2, 1995. Therefore, no copies of the listed references are provided herewith. It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: January 31, 1996

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<b>Information Disclosure Statement by Applicant</b>  <b>Title: Signal Processing Apparatus and Method</b>	Attorney Docket No. 5634.280	Serial No. 08/469,612
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	Filing Date 6-Jun-95	Group 2602

### U. S. Patent Documents

Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
/AH/	2,875,270	2/24/59	Wendt et al.	178/5.1	
	3,440,427	4/22/69	Kammer	250/210	
	3,485,946	12/23/69	Jackson et al.	178/6	
	3,500,327	3/10/70	Belcher et al.	340/154	
	3,560,936	2/2/71	Busch	340/172.5	
	3,564,509	2/16/71	Perkins et al.	340/172.5	
	3,602,891	8/31/71	Clark et al.	340/172.5	
	3,651,471	3/21/72	Haselwood et al.	340/172.5	
	3,696,297	10/3/72	Otero	325/55	
	3,712,956	1/23/73	Lemelson	178/6.6A	
	3,733,431	5/15/73	Kirk, Jr., et al.	178/5.1	
	3,836,888	9/17/74	Boenke et al.	340/172.5	
	3,848,082	11/12/74	Summers	178/5.6	
	3,849,729	11/19/74	Van Baggem	325/31	
	3,889,054	6/10/75	Nagel et al.	178/6.8	
	3,906,450	9/16/75	Prado, Jr.	340/150	
	3,936,868	2/3/76	Thorpe	358/22	

<b>Examiner</b> /Son Huynh/ (03/02/2010)	<b>Date Considered</b> 03/02/2010
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/AH/	3,947,624	3/30/76	Miyake	178/6	
	3,947,972	4/6/76	Freeman	35/8 A	
	3,973,206	8/3/76	Haselwood et al.	325/455	
	3,982,065	9/21/76	Barnaby et al.	178/5.8	
	3,984,637	10/5/76	Caudill et al.	179/2	
	3,987,397	10/19/76	Belcher et al.	325/308	
	3,996,583	12/7/76	Hutt et al.	340/324	
	4,016,361	4/5/77	Pandey	358/83	
	4,026,555	5/31/77	Kirschner et al.	273/85	
	4,032,972	6/28/77	Saylor	358/142	
	4,042,958	8/16/77	Saylor et al.	358/141	
	4,048,562	9/13/77	Haselwood et al.	325/31	
	4,052,719	10/4/77	Hutt et al.	340/324	
	4,055,848	10/25/77	Fearnside	358/8	
	4,064,490	12/20/77	Nagel	364/200	
	4,074,315	2/14/78	Kawamura et al.	358/142	
	4,078,316	3/14/78	Freeman	35/8 A	

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Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
/AH/	4,081,832	3/28/78	Sherman	358/124	
	4,096,524	6/20/78	Scott	358/85	
	4,099,258	7/4/78	Parsons	364/900	
	4,117,605	10/3/78	Kurland et al.	35/9 A	
	4,120,003	10/10/78	Mitchell et al.	358/142	
	4,134,127	1/9/79	Campioni	358/16	
	4,135,213	1/16/79	Wintfeld et al.	358/142	
	4,139,860	2/13/79	Micic et al.	358/22	
	4,144,495	3/13/79	Metzger	325/4	
	4,161,728	7/17/79	Insam	340/750	
	4,162,513	7/24/79	Beyers, Jr. et al.	358/191	
	4,178,613	12/11/79	Takahashi et al.	358/183	
	4,203,130	5/13/80	Doumit et al.	358/1	
	4,218,698	8/19/80	Bart et al.	358/22	
	4,228,543	10/14/80	Jackson	455/181	
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	4,233,628	11/11/80	Ciciora	358/147	

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/AH/	4,243,984	1/6/81	Ackley et al.	340/703	
	4,245,252	1/13/81	Nagumo	358/213	
	4,249,211	2/3/81	Baba et al.	358/183	
	4,261,006	4/7/81	Weintraub et al.	358/3	
	4,270,145	5/26/81	Farina	358/188	
	4,278,973	7/14/81	Hughes et al.	340/721	
	4,278,993	7/14/81	Suzuki	358/22	
	4,308,558	12/29/81	Hernandez et al.	358/142	5/22/80
	4,315,282	2/9/82	Schumacher	358/107	9/11/80
	4,320,256	3/16/82	Freeman	179/6.04	11/27/79
	4,337,485	6/29/82	Chambers	358/147	9/24/80
	4,344,090	8/10/82	Belisomi et al.	358/183	9/13/79
	4,361,848	11/30/82	Poignet et al.	358/1	5/17/79
	4,374,395	2/15/83	Herrmann et al.	358/22	12/24/80
	4,377,870	3/22/83	Anderson et al.	455/2	12/21/78
	4,413,281	11/1/83	Thonnart	358/147	6/26/81
	4,420,656	12/13/83	Freeman	179/6.04	8/24/81

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Examiner Initial	Patent Number	Patent Date	Name	Class / Subclass	Filing Date *
/AH/	4,420,769	12/13/83	Novak	358/139	3/22/78
↓	4,422,486	12/27/83	Maret	144/117R	1/21/81
↓	4,430,669	2/7/84	Cheung	358/122	5/29/81
↓	4,433,379	2/21/84	Schenk et al.	364/200	9/29/80
↓	4,443,660	4/17/84	DeLong	178/22.04	2/10/82***
↓	4,449,114	5/15/84	Fascenda et al.	340/988	3/26/82***
↓	4,531,021	7/23/85	Bluestein et al.	178/22.08	8/13/84***
↓	4,860,379	8/22/89	Schoeneberger et al.	455/5	10/20/88***
↓	Re. 31,977	8/27/85	Ott	364/200	8/19/83***
↓	Re. 32,187	6/17/86	Barda et al.	340/706	6/3/81

\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Nov. 3, 1981.

### Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country	Class / Subclass	Translation Yes      No	
/AH/	1,066,931	4/26/67	Great Britain	G 07c		No

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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
/AH/	Glover, S. "Automatic Switching at the Edmonton Television Studios," <u>SMPTE Journal</u> , November 1966, Vol. 75, pp. 1089-1092.
	Barlow, M.W.S., "The Remote Control of Multiplexed Telecine Chains," <u>SMPTE Journal</u> , April 1971, Vol. 80, pp. 270-275.
	Campbell, Keith D., "An Automated Video-Tape Editing System," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 191-194.
	Bonney, R.B. et al., "A Proposed Standard Time and Control Code for Video-Tape Editing," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 186-190.
	Barlow, M., Letter to the Editor, "Re: Coding and Packaging Film for Broadcasting," <u>Journal of the SMPTE</u> , October 1969, Vol. 78, p. 889.
	Barlow, M., Letter to the Editor, "Re: Automation of Telecine Equipment," <u>Journal of the SMPTE</u> , April 1970, Vol. 79, pp. 345-346.
	Matley, J. Brian, "A Digital Framestore Synchronizer," <u>SMPTE Journal</u> , June 1976, Vol. 85, pp. 385-388.
	Connolly, W.G. et al., "The Electronic Still Store: A Digital System for the Storage and Display of Still Pictures," <u>SMPTE Journal</u> , August 1976, Vol. 85, pp. 609-613.
	Sadashige, K., "Overview of Time-Base Correction Techniques and Their Applications," <u>SMPTE Journal</u> , October 1976, Vol. 85, pp. 787-791.
	Siocos, C.A., "Satellite Technical and Operational Committee - Television (STOC-TV) Guidelines for Waveform Graticules," <u>SMPTE Journal</u> , November 1976, Vol. 85, pp. 878-879.
V	"Index to Subjects - January-December 1976 • Volume 85," 1976 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 85, pp. I-5 to I-13, I-15.
Examiner	<div style="display: flex; justify-content: space-between;"> <span>/Son Huynh/ (03/02/2010)</span> <span>Date Considered 03/02/2010</span> </div>
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### Other Documents

Examiner Initial	Author, Title, Date, Pertinent Pages, Etc.
/AH/	Rodgers, Richard W., "Design Considerations for a Transmission and Distribution System for SMPTE Time-Code Signals," <u>SMPTE Journal</u> , February 1977, Vol. 86, pp. 69-70.
	Allan, J.J., III, et al., "A Computer-Controlled Super-8 Projector," <u>SMPTE Journal</u> , July 1977, Vol. 86, pp. 488-489.
	"Index to Subjects - January-December 1977 • Volume 86," 1977 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 86, pp. I-5 to I-14.
	Hamalainen, K.J., "Videotape Editing Systems Using Microprocessors," <u>SMPTE Journal</u> , June 1978, Vol. 87, pp. 379-382.
	McCoy, Reginald F.H., "A New Digital Video Special-Effects Equipment," <u>SMPTE Journal</u> , January 1978, Vol. 87, pp. 20-23.
	Leonard, Eugene, "Considerations Regarding the Use of Digital Data to Generate Video Backgrounds," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 499-504.
	Swetland, George R., "Applying the SMPTE Time and Control Code to Television Audio Post Production," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 508-512.
	Moore, J.K., et al., "A Recent Innovation in Digital Special Effects, The CBS 'Action Track' System," <u>SMPTE Journal</u> , October 1978, Vol. 87, pp. 673-676.
	Connolly, William G., "Videotape Program Production at CBS Studio Center," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 761-763.
	Nicholls, William C., "A New Edit Room Using One-Inch Continuous-Field Helical VTRs," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 764-766.
✓	"Index to Volume 87 January-December 1978," <u>SMPTE Journal</u> , Part II to January 1979 <u>SMPTE Journal</u> , pp. I-1, I-4 to I-14.

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/AH/	Wetmore, R. Evans, "System Performance Objectives and Acceptance Testing of the Public Television Satellite Interconnection System," <u>SMPTE Journal</u> , February 1979, Vol. 88, pp. 101-111.
	Bates, George W., "Cut/Lap: A New Method for Programmable Fades and Soft Edit Transitions Using a Single Source VTR," <u>SMPTE Journal</u> , March 1979, Vol. 88, pp. 160-161.
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	Oliphant, Andrew et al., "A Digital Telecine Processing Channel," <u>SMPTE Journal</u> , July 1979, Vol. 88, pp. 474-483.
	Bates, George W. et al., "Time Code Error Correction Utilizing a Microprocessor," <u>SMPTE Journal</u> , October 1979, Vol. 88, pp. 712-715.
	Geise, Heinz-Dieter, "The Use of Microcomputers and Microprocessors in Modern VTR Control," <u>SMPTE Journal</u> , December 1979, Vol. 88, pp. 831-834.
	"Index to Subjects - January-December 1979 • Volume 88," 1979 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 88, pp. I-4 to I-10.
	"Advanced Transmission Techniques," <u>SMPTE Journal</u> , Report on the 121st Technical Conference, January 1980, Vol. 89, pp. 31-32.
	"Anderson: Progress Committee Report for 1979 - Television," <u>SMPTE Journal</u> , May 1980, Vol. 89, pp. 324-328.
	<u>SMPTE Journal</u> , May 1980, Vol. 89, p. 391, no title.
↓	"The TCR-119 Reader," Gray Engineering Laboratories, <u>SMPTE Journal</u> , May 1980, Vol. 89, p. 438, (advertisement).

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/AH/	Hopkins, Robert S., Jr., "Report of the Committee on New Technology," <u>SMPTE Journal</u> , June 1980, Vol. 89, pp. 449-450.
	Limb, J.O. et al., "An Interframe Coding Technique for Broadcast Television," <u>SMPTE Journal</u> , June 1980, Vol. 89, p. 451.
	"Preliminary List of Papers," <u>SMPTE Journal</u> , September 1980, Vol. 89, p. 677.
	Davis, John T., "Automation of a Production Switching System," <u>SMPTE Journal</u> , October 1980, Vol. 89, pp. 725-727.
	"Video Tape Recording Glossary," <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 733.
	Advertisement, "CTVM 3 series of Barco master control color monitors", "Barco TV Modulator, Model VSBM 1/S", "VICMACS Type 1724 Vertical Interval Machine Control System", "Videotape Editing Controllers by US JVC Corp., RM-70U, RM-82U, RM-88U", <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 820 et seq.
	Ciciora, Walter, "Teletext Systems: Considering the Prospective User," <u>SMPTE Journal</u> , November 1980, Vol. 89, pp. 846-849.
	Hathaway, R.A. et al., "Development and Design of the Ampex Auto Scan Tracking (AST) System," <u>SMPTE Journal</u> , December 1980, Vol. 89, p. 931.
	Connor, Denis J., "Network Distribution of Digital Television Signals," <u>SMPTE Journal</u> , December 1980, Vol. 89, pp. 935-938.
	"Index to Subjects - January-December 1980 • Volume 89," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-5 to I-11.
↓	"Index to SMPTE-Sponsored American National Standards, Society Recommended Practices, and Engineering Committee Recommendations," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-15 to I-20.
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/AH/	Table of Contents, <u>SMPTE Journal</u> , February 1981, Vol. 90, Number 2, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , March 1981, Vol. 90, Number 3, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , April 1981, Vol. 90, Number 4, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , May 1981, Vol. 90, Number 5, 1 page.
	"Television," <u>SMPTE Journal</u> , May 1981, pp. 375-379.
	Table of Contents, <u>SMPTE Journal</u> , January 1981, Vol. 90, Number 1, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , June 1981, Vol. 90, Number 6, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , July 1981, Vol. 90, Number 7, 1 page.
	Table of Contents, <u>SMPTE Journal</u> , August 1981, Vol. 90, Number 8, 1 page.
	"American National Standard" "time and control code for video and audio tape for 525-line/60-field television systems," <u>SMPTE Journal</u> , August 1981, pp. 716-717.
	Table of Contents, <u>SMPTE Journal</u> , September 1981, Vol. 90, Number 9, 1 page.
	"Proposed SMPTE Recommended Practice" "Vertical Interval Time and Control Code for Video Tape for 525-Line/60-Field Television Systems," <u>SMPTE Journal</u> , September 1981, pp. 800-801.
	Table of Contents, <u>SMPTE Journal</u> , October 1981, Vol. 90, Number 10, 1 page.
↓	Kaufman, Paul A. et al., "The Du Art Frame Count Cueing System," <u>SMPTE Journal</u> , October 1981, pp. 979-981.

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